



19th December 2013

OUR REF: 212434-L001003

YOUR REF:

The Department of Planning & Infrastructure
23-33 Bridge Street
SYDNEY NSW 2000

Attention: Carl Dumpleton, Senior Planner, Mining Projects

Dear Carl,

RE: REQUEST FOR DIRECTOR-GENERAL'S REQUIREMENTS PROPOSED SAND MINE, NELSON BAY ROAD, BOBS FARM PORT STEPHENS LOCAL GOVERNMENT AREA

Further to your email of the 16th September 2013 and our completion of the relevant geological assessment of the sand resource that we are intending to mine, I can advise the following clarifications for the Department's DGR's:-

1. Heavy earth mineral sands are not targeted due to the low (<2%) percentage that have been detected in the relevant core samples.
2. The CIV for the project is expected to be \$2.9M if the project is approved to excavate sands to a depth of ~-15m AHD. The CIV will be \$1.7M if the operations are limited to be above the water table.
3. Total volume of potential excavated resource is ~10M tonnes (at the -15m AHD level) or 4.5M tonnes (above the water table).
4. Access is to be off Nelson Bay Road with egress proposed to be via Marsh Road and then back onto Nelson Bay Road, refer attached plan.
5. A 15m buffer to all boundaries will be retained. The remaining area of the land is proposed to be mined, refer attached plan.
6. There is a Transmission Line supplying Nelson Bay near the SW corner of the land.
7. Sand resource has the following potential applications:-
 - a. Landscape soil base,
 - b. Sports field top dress,
 - c. Construction,
 - d. Fracking Sand (needs to be further tested),
 - e. Bulk filling
 - f. Glass Manufacturing.
8. Estimated yearly production 750,000 tonnes/year.

Should you require clarification on any of the issues detailed in this form, or have any further requirements, please do not hesitate to contact this office.

Kind regards

TATTERSALL LANDER PTY LTD

Bob Lander
Director
encl

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